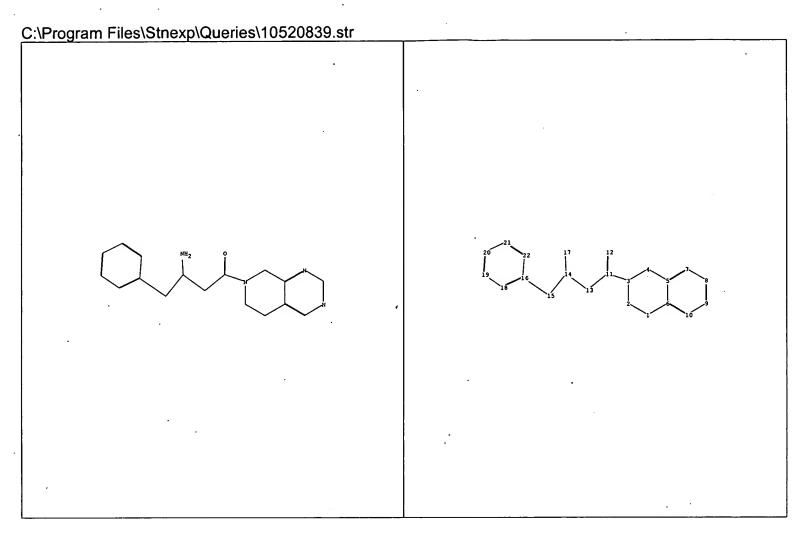
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L2	148	(514/258.1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/30 07:18
L3	3	Robert.inv. and Mathvink.inv. and pyrimidine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/30 07:19
L4	4	Scott.inv. and Edmondson.inv. and pyrimidine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/30 07:20
L5	. 6	Ann.inv. and Weber.inv. and pyrimidine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/30 07:20

10/30/06 7:34:06 AM C:\Documents and Settings\vbalasubramania\My Documents\EAST\Workspaces\10520839NFR.wsp

# **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	824	(544/279).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/30 07:19
L2	148	(514/258.1).CCLS.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/30 07:18
L3	3	Robert.inv. and Mathvink.inv. and pyrimidine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/30 07:19
L4	4	Scott.inv. and Edmondson.inv. and pyrimidine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OŖ	OFF	2006/10/30 07:20
L5	6	Ann.inv. and Weber.inv. and pyrimidine	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/30 07:20



chain nodes:

11 12 13 14 15 17

ring nodes:

1 2 3 4 5 6 7 8 9 10 16 18 19 20 21 22

chain bonds:

3-11 11-12 11-13 13-14 14-15 14-17 15-16

ring bonds:

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 16-18 16-22 18-19 19-20 20-21 21-22

exact/norm bonds:

1-2 1-6 2-3 3-4 3-11 4-5 11-12 14-17

exact bonds:

11-13 13-14 14-15 15-16

normalized bonds:

5-6 5-7 6-10 7-8 8-9 9-10 16-18 16-22 18-19 19-20 20-21 21-22

# Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLAS\$12:CLAS\$ 13:CLAS\$14:CLAS\$15:CLAS\$16:Atom 17:CLAS\$18:Atom 19:Atom 20:Atom 21:Atom 22:Atom

Connecting via Winsock to STN

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TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3 AUG 09 INSPEC enhanced with 1898-1968 archive
NEWS 4 AUG 28 ADISCTI Reloaded and Enhanced
NEWS 5 AUG 30 CA(SM)/CAplus(SM) Austrian patent law changes'
NEWS 6 SEP 11 CA/CAplus enhanced with more pre-1907 records
NEWS 7 SEP 21 CA/Caplus fields enhanced with simultaneous left and right
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NEWS 8 SEP 25 CA(SM)/CAplus(SM) display of CA Lexicon enhanced
NEWS 9 SEP 25 CAS REGISTRY(SM) no longer includes Concord 3D coordinates
NEWS 10 SEP 25 CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine
NEWS 11 SEP 28 CEABA-VTB classification code fields reloaded with new
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NEWS 12 OCT 19 LOGOFF HOLD duration extended to 120 minutes
NEWS 13 OCT 19 E-mail format enhanced
NEWS 14 OCT 23 Option to turn off MARPAT highlighting enhancements available
NEWS 15 OCT 23 CAS Registry Number crossover limit increased to 300,000 in
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NEWS 16 . OCT 23
                   The Derwent World Patents Index suite of databases on STN
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NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),

has been enhanced and reloaded

AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

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=> file reg COST IN U.S. DOLLARS FULL ESTIMATED COST

ENTRY SESSION 0.21 0.21

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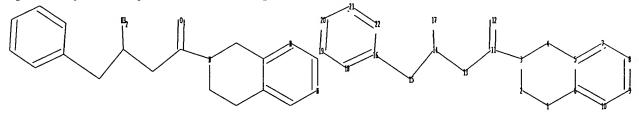
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http://www.cas.org/ONLINE/UG/regprops.html

Uploading C:\Program Files\Stnexp\Queries\10520839.str



chain nodes :

11 12 13 14 15 17

ring nodes :

1 2 3 4 5 6 7 8 9 10 16 18 19 20 21 22

chain bonds :

3-11 11-12 11-13 13-14 14-15 14-17 15-16

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-10 7-8 8-9 9-10 16-18 16-22 18-19 19-20 21-22 20-21

exact/norm bonds :

1-2 1-6 2-3 3-4 3-11 4-5 11-12 14-17

exact bonds :

11-13 13-14 14-15 15-16

normalized bonds :

5-6 5-7 6-10 7-8 8-9 9-10 16-18 16-22 18-19 19-20 20-21 21-22

### Match level:

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:Atom 17:CLASS 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom

#### L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

L1

STR

Structure attributes must be viewed using STN Express query preparation.

=> s 11 sss sam

SAMPLE SEARCH INITIATED 07:02:04 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED

3 ITERATIONS

3 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 3 TO 163

PROJECTED ANSWERS: 3 TO 163

L2 3 SEA SSS SAM L1

=> d scan

L2 3 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN

Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(4-chloro-2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) C18 H16 C1 F5 N4 O IN

MF

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):2

3 ANSWERS REGISTRY COPYRIGHT 2006 ACS on STN L2

Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-[4-(methylsulfonyl)phenyl]- (9CI) C24 H24 F2 N4 O3 S IN

MF

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

REGISTRY COPYRIGHT 2006 ACS on STN L2

Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-2-cyclopropyl-5,6,7,8-tetrahydro-(9CI) C20 H21 F3 N4 O IN

MF

Absolute stereochemistry.

\*\*PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT\*\*

ALL ANSWERS HAVE BEEN SCANNED

=> s ll sss ful

FULL SEARCH INITIATED 07:02:20 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 125 TO ITERATE

100.0% PROCESSED 125 ITERATIONS

SEARCH TIME: 00.00.01

65 ANSWERS

L3

65 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE TOTAL

ENTRY SESSION 166.94 167.15

FULL ESTIMATED COST

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1 L3

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L4

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     Preparation of piperidino pyrimidine dipeptidyl peptidase-IV inhibitors
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     dihydrochloride 647863-10-3P, 7-[(3R)-3-Amino-4-(2,5-
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     benzyl-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine hydrochloride
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7-[(3R)-3-Amino-4-(5-chloro-2-fluorophenyl)butanoyl]-2-(trifluoromethyl)-
5, 6, 7, 8-tetrahydropyrido [3, 4-d] pyrimidine 647863-42-1P,
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647863-49-8P, 7-[(3R)-3-Amino-4-(3-chloro-4-fluorophenyl)butanoyl]-
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difluorophenyl)butanoyl]-2-(trifluoromethyl)-5,6,7,8-tetrahydropyrido[3,4-
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[\,(\texttt{trifluoromethyl})\,\texttt{sulfonyl}]\,\texttt{phenyl}]\,\texttt{-5,6,7,8-tetrahydropyrido}\,\texttt{[3,4-tetrahydropyrido]}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydropyrido}\,\texttt{-1,4-tetrahydro
d]pyrimidine 647863-68-1P, 7-[(3R)-3-Amino-4-(2,4,5-
trifluorophenyl)butanoyl]-2-cyclopropyl-5,6,7,8-tetrahydropyrido[3,4-
d]pyrimidine 647863-69-2P, 7-[(3R)-3-Amino-4-(2,5-4)]
difluorophenyl)butanoyl]-2-[4-(aminosulfonyl)phenyl]-5,6,7,8-
tetrahydropyrido[3,4-d]pyrimidine 647863-70-5P,
7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-[(phenylmethyl)amino]-
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5, 6, 7, 8-tetrahydropyrido [3, 4-d] pyrimidine 647863-71-6P,
7-[(3R)-3-Amino-4-(2,5-difluorophenyl)] butanoyl] -2-(2-pyrazinyl)-5,6,7,8-
tetrahydropyrido[3,4-d]pyrimidine 647863-72-7P,
7-[(3R)-3-Amino-4-(2,4,5-trifluorophenyl)butanoyl]-2-(trifluoromethyl)-8-
methyl-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine 647863-73-8P,
7-[(3R)-3-Amino-4-(2,5-difluorophenyl)] butanoyl]-2-(4-methylphenyl)-5,6,7,8-
tetrahydropyrido[3,4-d]pyrimidine 647863-74-9P,
7-[(3R)-3-Amino-4-(2,5-difluorophenyl)]butanoyl]-2-(3,4-dichlorophenyl)-
5, 6, 7, 8-tetrahydropyrido[3, 4-d]pyrimidine 647863-75-0P,
7-[(3R)-3-Amino-4-(2,4,5-trifluorophenyl)butanoyl]-2-[4-
(methylsulfonyl)phenyl]-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine
647863-76-1P, 7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-
(trifluoromethyl)-8-methyl-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine
647863-77-2P, 7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-(4-
chlorophenyl)-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine
647863-78-3P, 7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-(2-
chlorophenyl)-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine
647863-79-4P, 7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-(2-
fluorophenyl)-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine
647863-80-7P, 7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-(2-
pyridyl)-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine 647863-81-8P,
7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-[4-
(aminocarbonyl)phenyl]-4-(trifluoromethyl)-5,6,7,8-tetrahydropyrido[3,4-
d]pyrimidine 647863-82-9P, 7-[(3R)-3-Amino-4-(2,5-
difluorophenyl)butanoyl]-2-(2-pyrazinyl)-4-(trifluoromethyl)-5,6,7,8-
tetrahydropyrido[3,4-d]pyrimidine 647863-83-0P,
7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-(4-aminophenyl)-5,6,7,8-
tetrahydropyrido[3,4-d]pyrimidine 647863-84-1P,
7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-4-(trifluoromethyl)-
5, 6, 7, 8-tetrahydropyrido[3, 4-d]pyrimidine 647863-85-2P,
7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-[4-
(methylsulfonyl)phenyl]-4-(trifluoromethyl)-5,6,7,8-tetrahydropyrido[3,4-
d]pyrimidine 647863-86-3P, 7-[(3R)-3-Amino-4-(2,4,5-4)]
trifluorophenyl)butanoyl]-2-[4-(methylsulfonyl)phenyl]-4-(trifluoromethyl)-
5, 6, 7, 8-tetrahydropyrido [3, 4-d] pyrimidine 647863-87-4P,
7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-[4-
[(methylsulfonyl)amino]phenyl]-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine
647863-88-5P, 7-[(3R)-3-Amino-4-(2,4,5-trifluorophenyl)butanoyl]-2-
(trifluoromethyl)-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine
647863-89-6P, 7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-
(trifluoromethyl)-4-methoxy-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine
647863-90-9P, 7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-
(trifluoromethyl)-4-amino-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine
647863-91-0P, 7-[(3R)-3-Amino-4-(2,5-difluorophenyl)butanoyl]-2-[6-
(trifluoromethyl)pyridin-3-yl]-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine
647863-92-1P, 7-[(3R)-3-Amino-4-(2,4,5-trifluorophenyl)butanoyl]-2-
(trifluoromethyl)-8-benzyl-5,6,7,8-tetrahydropyrido[3,4-d]pyrimidine
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses)
   (drug candidate; preparation of piperidino pyrimidine dipeptidy)
  peptidase-IV inhibitors for treatment of diabetes)
647862-96-2 CAPLUS
Pyrido [3,4-d] pyrimidin-4 (1H)-one, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-
oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)
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Absolute stereochemistry.

RN

CN.

RN 647863-00-1 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

# ●2 HC1

RN 647863-04-5 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-4-methoxy-2-(trifluoromethyl)-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

### ●2 HC1

RN 647863-07-8 CAPLUS

CN Pyrido[3,4-d]pyrimidin-4-amine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-

oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)-, dihydrochloride (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

## ●2 HCl

RN 647863-10-3 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-[6-(trifluoromethyl)-3-pyridinyl]-, dihydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

## ●2 HC1

RN 647863-14-7 CAPLUS.

CN Pyrido[3,4-d]pyrimidin-2-amine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-N-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

$$\begin{array}{c|c} F & NH2 & O \\ \hline & R & N & NHMe \\ \hline \end{array}$$

RN 647863-15-8 CAPLUS

CN Pyrido[3,4-d]pyrimidin-2-amine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-N-methyl-, bis(trifluoroacetate) (9CI) (CA

10/520,839

INDEX NAME)

CM 1

CRN 647863-14-7 CMF C18 H21 F2 N5 O

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 647863-21-6 CAPLUS
CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1oxobutyl]-2-(4-chlorophenyl)-5,6,7,8-tetrahydro-4-(trifluoromethyl)- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

RN 647863-22-7 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-2-(4-chlorophenyl)-5,6,7,8-tetrahydro-4-(trifluoromethyl)-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 647863-21-6 CMF C24 H20 C1 F5 N4 O Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 647863-30-7 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-5,6,7,8-tetrahydro-8-(phenylmethyl)-2-(trifluoromethyl)-, monohydrochloride (9CI) (CA INDEX NAME)

Absolute stereochemistry.

HCl

RN 647863-37-4 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(5-fluoro-2-hydroxyphenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 647863-38-5 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(5-fluoro-2-hydroxyphenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)

CM 1

CRN 647863-37-4 CMF C18 H18 F4 N4 O2

Absolute stereochemistry.

CM 2

CRN 76-05-1 CMF C2 H F3 O2

RN 647863-40-9 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

$$F = \begin{bmatrix} M_1 & 0 & 0 & 0 \\ R & M_2 & 0 & 0 \\ N & M_3 & M_4 & M_4 & M_5 & M_6 &$$

RN 647863-41-0 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(5-chloro-2-fluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-42-1 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-dichlorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-43-2 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(5-chloro-2-methylphenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-44-3 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-

oxobutyl]-5,6,7,8-tetrahydro-4-(1-methylethoxy)-2-(trifluoromethyl)- (9CI)
 (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-45-4 CAPLUS

CN Pyrido[3,4-d]pyrimidin-4-amine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-N-methyl-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-46-5 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(3-chloro-2,6-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-47-6 CAPLUS

CN Pyrido[3,4-d]pyrimidin-4(1H)-one, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

RN 647863-48-7 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-[4-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-49-8 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(3-chloro-4-fluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-50-1 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(4-chloro-2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

$$C1$$
 $R$ 
 $NH_2$ 
 $NH_2$ 

RN 647863-51-2 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-2-(4-fluorophenyl)-5,6,7,8-tetrahydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-52-3 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-1-oxo-4-(2,3,6-trifluorophenyl)butyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-53-4 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-1-oxo-4-(2,4,6-trifluorophenyl)butyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 647863-54-5 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-55-6 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(3-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-56-7 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-57-8 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-

oxobutyl]-2-(3-fluorophenyl)-5,6,7,8-tetrahydro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-58-9 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-phenyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-59-0 CAPLUS

CN Pyrido[3,4-d]pyrimidin-2-amine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-N,N-dimethyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-60-3 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(4-morpholinyl)- (9CI) (CA INDEX NAME)

RN 647863-61-4 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-62-5 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-2-cyclopropyl-5,6,7,8-tetrahydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-63-6 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-2-[4-(dimethylamino)phenyl]-5,6,7,8-tetrahydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-64-7 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(4-pyridinyl)- (9CI) (CA INDEX NAME)

RN 647863-65-8 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-[4-(methylsulfonyl)phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-66-9 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(1-methyl-5-nitro-1H-imidazol-2-yl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-67-0 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-[4-[(trifluoromethyl)sulfonyl]phenyl]-(9CI) (CA INDEX NAME)

RN 647863-68-1 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-2-cyclopropyl-5,6,7,8-tetrahydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-69-2 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-2-[4-(aminosulfonyl)phenyl]-5,6,7,8-tetrahydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-70-5 CAPLUS

CN Pyrido[3,4-d]pyrimidin-2-amine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-N-(phenylmethyl)- (9CI) (CA INDEX NAME)

RN 647863-71-6 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-pyrazinyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-72-7 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-5,6,7,8-tetrahydro-8-methyl-2-(trifluoromethyl)-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-73-8 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(4-methylphenyl)- (9CI) (CA INDEX NAME)

RN 647863-74-9 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-2-(3,4-dichlorophenyl)-5,6,7,8-tetrahydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-75-0 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-5,6,7,8-tetrahydro-2-[4-(methylsulfonyl)phenyl]-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-76-1 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-8-methyl-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-77-2 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-2-(4-chlorophenyl)-5,6,7,8-tetrahydro-(9CI) (CA INDEX NAME)

RN 647863-78-3 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-2-(2-chlorophenyl)-5,6,7,8-tetrahydro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-79-4 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-2-(2-fluorophenyl)-5,6,7,8-tetrahydro- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-80-7 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(2-pyridinyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-81-8 CAPLUS

CN Benzamide, 4-[7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-

tetrahydro-4-(trifluoromethyl)pyrido[3,4-d]pyrimidin-2-yl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-82-9 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-pyrazinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-83-0 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-2-(4-aminophenyl)-5,6,7,8-tetrahydro-(9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-84-1 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 647863-85-2 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-[4-(methylsulfonyl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-86-3 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-5,6,7,8-tetrahydro-2-[4-(methylsulfonyl)phenyl]-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-87-4 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-[4-[(methylsulfonyl)amino]phenyl]- (9CI) (CA INDEX NAME)

RN 647863-88-5 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-89-6 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-4-methoxy-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-90-9 CAPLUS

CN Pyrido[3,4-d]pyrimidin-4-amine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 647863-91-0 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-4-(2,5-difluorophenyl)-1-oxobutyl]-5,6,7,8-tetrahydro-2-[6-(trifluoromethyl)-3-pyridinyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN 647863-92-1 CAPLUS

CN Pyrido[3,4-d]pyrimidine, 7-[(3R)-3-amino-1-oxo-4-(2,4,5-trifluorophenyl)butyl]-5,6,7,8-tetrahydro-8-(phenylmethyl)-2-(trifluoromethyl)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/520,839

=> log y COST IN U.S. DOLLARS

SINCE FILE ENTRY

TOTAL

FULL ESTIMATED COST

3.97

SESSION 171.12

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